Notice of Allowability	Application No.	Applicant(s)	
	10/009,249	ARNONE ET AL.	
	Examiner	Art Unit	
	Phillip A Johnston	2881	· · · · · · · · · · · · · · · · · · ·
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to <u>Amendment filed 5-17-2004</u> .			
2. The allowed claim(s) is/are <u>44-71</u> .			
3. The drawings filed on <u>02 July 2002</u> are accepted by the Examiner.			
 4.			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 7-29-2004 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal Pa 6. ☑ Interview Summary Paper No./Mail Dat 7. ☑ Examiner's Amenda 8. ☐ Examiner's Stateme 9. ☐ Other	(PTO-413), e <u>7-29-2004</u> . nent/Comment	

Application/Control Number: 10/009,249 Page 2

Art Unit: 2881

Detailed Action

Examiners Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Martin Pfeffer on 7-29-2004. The changes made below are underlined.

The Claims are amended as follows;

- -- 44. (New) A method of imaging a sample, the method comprising the steps of :
- (a) irradiating the sample to be imaged with an irradiating beam of pulsed electro magnetic radiation with a plurality of frequencies in the range from 25 GHz to 100 THz,
- (b) <u>simultaneously</u> detecting both the radiation transmitted through the sample and the radiation reflected by the sample;
 - (c) generating an image of the sample from the radiation detected in step (b). --
 - -- 62. (New) An apparatus for imaging a sample, the apparatus comprising:-
- a) means for irradiating a sample to be imaged with an irradiating beam of pulsed electromagnetic radiation with a plurality of frequencies in the range from 25GHz to I00THz;

Application/Control Number: 10/009,249

Art Unit: 2881

b) means for <u>simultaneously</u> detecting radiation which is both transmitted through and reflected from the sample; and

Page 3

c) means for generating an image of the sample from radiation detected in step (b). --

Conclusion

2. Any inquiry concerning this communication or earlier communications should be directed to Phillip Johnston whose telephone number is (571) 272-2475. The examiner can normally be reached on Monday-Friday from 7:30 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiners supervisor John Lee can be reached at (571) 272-2477. The fax phone number for the organization where the application or proceeding is assigned is 703 872 9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PJ July 29, 2004

SUPERVISORY PATENT EXAMINER
JECHNOLOGY CENTER 2800